

WHAT IS CLAIMED IS:

1. A speech activated, speech operated, device for attachment to an existing landline telephone which has a one touch dialing feature, for hands-free activation and dialing, which comprises:

(a) a main housing, containing:

a telephone control circuit for analog input to a telephone to induce dialing of a telephone number which has been stored in a one touch dialing feature of said telephone;

an encoder circuit connected to said telephone control circuit for sending signals thereto and connected to a speech recognition module for receiving signals therefrom;

a speech recognition module connected to said encoder circuit and to a microphone and speaker for receiving speech inputs and transmitting audio information outputs, respectively, said speech recognition module having a speech recognition capability for hands free activation of said system, and having a speech recognition capability for hands free operation of said system;

(b) a power source connection connected to at least one of said telephone control circuit, said encoder circuit and said speech recognition module for powering said device;

(c) telephone connecting means connected to said telephone control circuit for connection to a telephone;

wherein a first user not requiring speech activated, speech operated functionality may assist in training said system by combination manual and speech operation to recognize a start word and other key words to access phone numbers stored in a landline telephone for subsequent access and for key word inputs for subsequent activation of various functions, and a second user requiring total hands free speech activated and speech operated may utilize the system touch free for both activated and operated thereof.

2. The device of claim 1 wherein said speech recognition module includes both visible and audible feedback hardware and software.
3. The device of claim 1 wherein said power source connection is a plug, wire and transformer for connection to a conventional electrical outlet and for conversion of alternating current to direct current.
4. The device of claim 1 wherein said device further includes at least one battery connected to said power source connection.
5. The device of claim 1 wherein said device further includes an optional rechargeable backup battery and charger circuit.

6. The device of claim 1 wherein said telephone connecting means includes speech activated connections for a plurality of one touch dialing buttons of a landline telephone having a once touch dialing feature.

5 7. The device of claim 6 wherein said telephone connecting means also includes speech activated connections for a plurality of button-activated features different from one touch dialing, for voice activated initiation of said button-activated features.

10 8. The device of claim 6 wherein said plurality of connections includes speech activated connections for at least ten different one touch dialing buttons.

15 9. The device of claim 1 wherein said device further includes training instructions for a user, said training instructions including audible word outputs.

10. The device of claim 9 wherein said device further includes a training button for initiating said training instructions.

20 11. A hands free, speech activated, speech operated automatic dialing telephone system, which comprises:

(a) a main housing, containing:

a telephone control circuit for analog input to a telephone to induce dialing of a telephone number which has been stored in a one touch dialing feature of said telephone;

5 an encoder circuit connected to said telephone control circuit for sending signals thereto and connected to a speech recognition module for receiving signals therefrom;

10 a speech recognition module connected to said encoder circuit and to a microphone and speaker for receiving speech inputs and transmitting audio information outputs, respectively, said speech recognition module having a speech recognition capability for hands free activation of said system, and having a speech recognition capability for hands free operation of said system;

15 (b) a power source connection connected to at least one of said telephone control circuit, said encoder circuit and said speech recognition module for powering said device;

(c) telephone connecting means connected to said telephone control circuit for connection to a telephone; and,

(d) a landline telephone having a one touch dialing feature which is functionally connected to said telephone control circuit;

20 wherein a first user not requiring speech activated, speech operated functionality may assist in training said system by combination manual and speech operation to recognize a start word and other key words to access phone numbers stored in a landline telephone for

subsequent access and for key word inputs for subsequent activation of various functions, and a second user requiring total hands free speech activated and speech operated may utilize the system touch free for both activated and operated thereof.

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12. The device of claim 11 wherein said speech recognition module includes both visible and audible feedback hardware and software.

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13. The device of claim 11 wherein said power source connection is a plug, wire and transformer for connection to a conventional electrical outlet and for conversion of alternating current to direct current.

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14. The device of claim 11 wherein said device further includes at least one battery connected to said power source connection.

15. The device of claim 11 wherein said device further includes an optional rechargeable backup battery and charger circuit.

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16. The device of claim 11 wherein said telephone connecting means includes speech activated connections for a plurality of one touch dialing buttons of a landline telephone having a once touch dialing feature.

17. The device of claim 16 wherein said telephone connecting means also includes speech activated connections for a plurality of button-activated features different from one touch dialing, for voice activated initiation of said button-activated features.

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18. The device of claim 16 wherein said plurality of connections includes speech activated connections for at least ten different one touch dialing buttons.

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19. The device of claim 11 wherein said device further includes training instructions for a user, said training instructions including audible word output.

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20. The device of claim 19 wherein said device further includes a training button for initiating said training instructions.